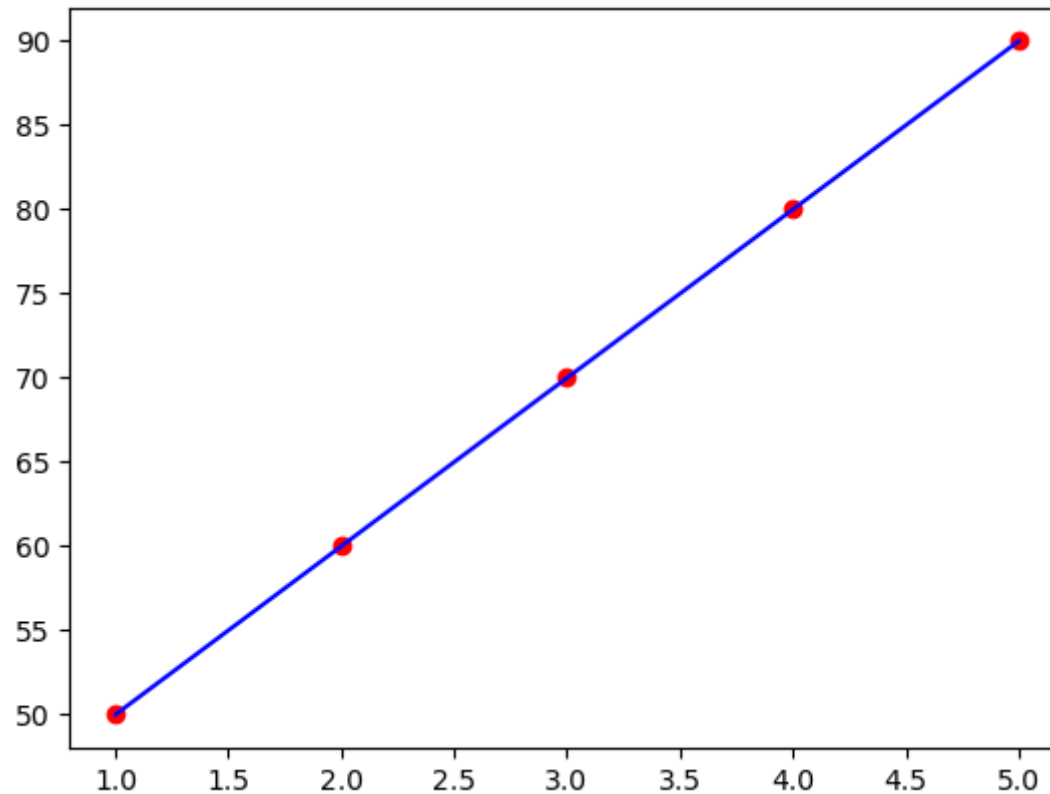


```
In [2]: #day6
```

```
In [ ]: """create a numpy array x containing data representing time(hours) spent on studies: 1,2,3,4,5
Create a numpy array y containing corresponding data representating studies score(outof 100):50, 60, 70, 80, 90
Plot a line graph with blue solid line
over lay a scatter plot with red markers; """
```

```
In [3]: import matplotlib.pyplot as plt
import numpy as np
time_hours=np.array([1,2,3,4,5])
study_score=np.array([50,60,70,80,90])
plt.plot(time_hours,study_score,color='b',ls='-')
#plt.plot(time_hours,study_score,color='r',marker='o')
plt.scatter(time_hours,study_score,color='r',marker='o')
plt.show()
```



```
In [ ]: """create a numpy array categorious representing different subjects:maths, science, history, english, art
Create a numpy array course with avg score outof 100 each subject:85,70,75,90,80
plot a bar graph representing subjects and its score
color each bar differently
add label tittle and modify the grid line to display dash slide """
```

```
In [4]: import matplotlib.pyplot as plt
import numpy as np
sub=np.array(["maths","science","history","english","art"])
score=np.array([85,70,75,90,80])
colour=(['red','blue','pink','black','orange'])
plt.bar(sub,score)
plt.title("Students Performance")
plt.ylabel("score")
plt.xlabel("Subject")
plt.grid(c='gray',lw=1,ls='--')
```

```
plt.bar(sub,score,color=colour)  
plt.show()
```

